

Appendix 2

Condition Notes and Specific Recommendations for Selected Notable Graves

Following are detailed condition notes and specific recommendations for the following selected notable graves: Peacock, Dobson, Guthrie, Bishop Julius, Henry Thomson, and Walter Powell Beauchamp.

The key for guiding timeframes for priority is as follows:

Immediate - as soon as possible

Urgent - required to prevent further deterioration (within three to six months)

Necessary - required to ensure good standard of maintenance (generally within one to three years, but could be a staged process covering up to five years or longer, given the scale of work at Linwood Cemetery)

Desirable - whenever possible, or to enhance heritage values.

Peacock Mausoleum



Materials:

Tuff roofing;
Limestone arches;
Granite columns;
Basalt base;
Bronze doors;
Concrete and cement rendered base surround

Condition:

Painted and scratched-on graffiti;
Limestone has black scab, skin damage, exfoliation;
Missing column to the north east corner;
Chipped edges;
Moss and lichen growth;
Missing cast iron fittings;
Rusting steel supports to ceiling;
Missing Gothic ornaments to arches;
Unsympathetic repairs near the bronze doors;
Mortar is missing between stone joints;
Chipped basalt;
Cracked and dislocated concrete and cement rendered base surround;
Exfoliation of tuff roof.

Recommended remedial repairs:

Remove painted graffiti - necessary/desirable;
Poultice to remove salts from tuff and to remove black scab, consolidate skin damage and

exfoliation – necessary;
Reinstate missing column to match the existing – necessary;
Investigate reason for chipping – urgent;
Apply biocide to remove biological growth;
Reinstate cast iron railings following research to determine design – desirable;
Clean down and treat cast iron elements for rust, paint with appropriate coating – necessary;
Reinstate missing Gothic ornaments to match the original– desirable
Cut out all pointing and repoint whole monument with lime mortar– necessary;
Repair damage to base, replacing cracked and missing concrete - necessary

Instigate maintenance regime, with cleaning of limestone every twenty years, repointing every hundred years, painting cast iron every 10 years, oil all door hardware and furniture to ensure in good working order, apply biocide when necessary.

All work should be specified and supervised by a buildings conservator with only a professional stone and metals conservator undertaking their areas of work, with some stone replacement carried out by an experienced mason and cast iron work with a tradesman experienced in this form of work. Bronze work should not be cleaned and should be protected from other work when this occurs.

Arthur Dudley Dobson



Materials:

Marble chip;
Concrete edging;
Stone (probably Port Hills Trachyte) plinths with stepped marble bases;
Marble crosses and tablet on edging.

Condition:

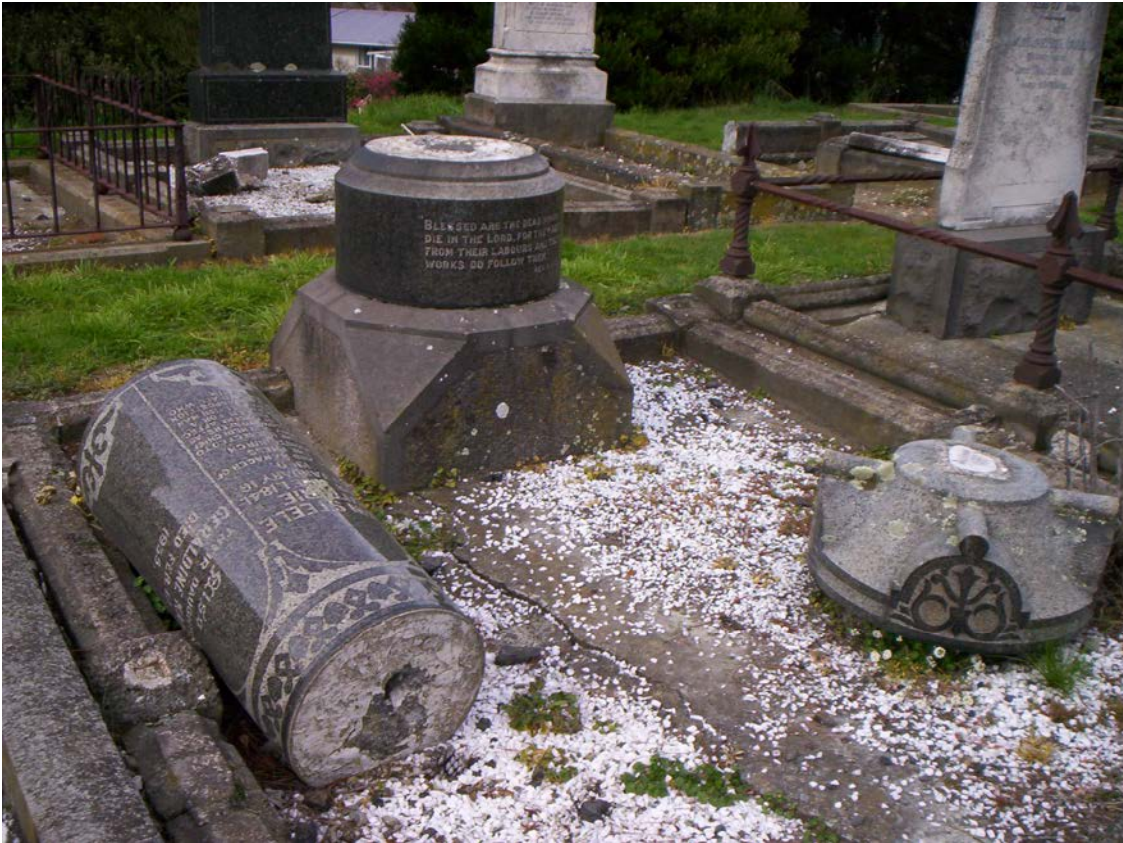
Crosses broken and on ground, having been displaced from marble stepped bases;
Stepped bases have been dislocated;
Micro-biological growth over all elements of the memorial;
Stone base is disaggregating;
Concrete edging is eroding with cracking between units;
Missing and worn lead lettering;

Recommended remedial repairs:

Pin elements of crosses together and reinstate on bases - necessary;
Refix bases to correct orientation - necessary;
Treat whole memorial with biocide;
Poultice stone base to remove salts, cover over winter - necessary;
Remortar units together and ensure foundations are secure – necessary;
Repair damaged and renew missing lettering – desirable.

Instigate maintenance regime, with cleaning of marble every twenty years, apply biocide when necessary. All work should be specified and supervised by a stone conservator with stone repairs carried out by an experienced mason.

John Steele Guthrie



Materials:

Marble chip;
Concrete edging;
Basalt base, granite memorial;
Marble cross.

Condition:

Cross broken and on ground in adjacent grave;
Cracked and slumped base slab;
Granite memorial shaft and bases have been dislocated and separated, all of which are lying on the ground;
Pointing has micro cracking;
Micro-biological growth especially on concrete and basalt elements;
Missing cast iron railings;
Concrete edging is eroding with cracking between units;

Recommended remedial repairs:

Pin elements of cross together and reinstate on base - necessary;
Reinstate granite elements on basalt base - necessary;
Treat whole memorial with biocide;
Repoint pointing using lime mortar – necessary;
Repair or replace base slab, ensuring no further slumping – necessary;
Reinstate cast iron railings based on documentary evidence - desirable

Instigate maintenance regime, with cleaning of granite every twenty years, apply biocide when

necessary.

All work should be specified and supervised by a stone conservator, with stone and concrete repairs carried out by an experienced mason.

(Note that The Press has donated funds for remedial work on the Guthrie monument, 2005).

Bishop Julius



Materials:

Concrete base slab and foundation;
Basalt edging;
Basalt memorials.

Condition:

Cracked base slab and concrete foundation;
Extensive micro-biological growth over all elements;
Edging is dislocated;

Recommended remedial repairs:

Ensure stability of base and foundation – necessary;
Treat whole memorial with biocide;
Repair base slab, ensuring no further slumping – necessary;

Instigate maintenance regime, with cleaning of granite every twenty years, apply biocide when necessary

All work should be specified and supervised by a stone conservator with stone and concrete repairs carried out by an experienced mason.

Henry Thomson



Materials:

Red granite;
Trachyte base and perimeter edging;
Tiled base;
Cast iron railings;
Concrete foundation;

Condition:

Mortar cracking and damp with micro-biological growth in joint;
Vegetation growth between tiles;
Base and perimeter are exfoliating/disaggregating;
Micro-biological growth especially on concrete and perimeter edging;
Cracked, bent, loose, rusting and broken cast iron railings;
Concrete foundation is cracked at has slumped;

Recommended remedial repairs:

Repoint pointing using lime mortar – necessary;

Treat whole memorial with biocide;

Poultice base and perimeter edging, protect in winter - necessary

Repair concrete foundation to ensure no further slumping – necessary;

Repair cast iron railings, clean down, treat for rust and repaint - necessary

Instigate maintenance regime, with cleaning of granite every twenty years, apply biocide when necessary, repoint every hundred years, repaint cast iron every 10 years

All work should be specified and supervised by a stone conservator with stone and concrete repairs carried out by an experienced mason.

Walter Powell Beauchamp



Materials:

Marble headstone;
Trachyte base ?;
Timber posts and railings.

Condition:

Memorial and base are disconnected and lying on ground;
Memorial and base have micro-biological growth;
Timber elements are missing, broken or rotten;
Timber elements are eroding and splitting;
Nails heads are rusting.

Recommended remedial repairs:

Reinstate memorial and base ensuring base is well founded –necessary;
Cut out rotten timber elements and splice in new, treating area with zinc naphthenate - urgent;
Treat all timber elements with zinc naphthenate and tung oil urgent;
Treat stone elements with biocide –necessary;
Treat nails heads with fisholene – necessary.

Instigate maintenance regime, with applying zinc naphthenate and tung oil every five years, apply biocide when necessary.

All work should be specified and supervised by a buildings conservator with stone repairs carried out by an experienced mason and timber repairs carried out by an experience joiner or cabinet maker.

In addition, consider including image(s) of timber railing in interpretation to provide a further understanding of how the Beauchamp grave may have originally looked and to explain how timber was once a common surround but is now rare in Christchurch and New Zealand.